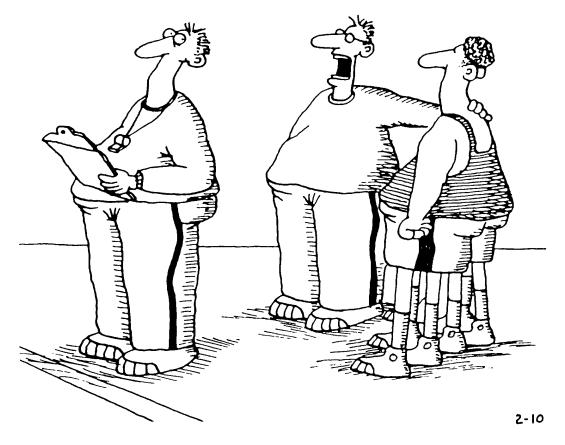
## What Is an Operational Definition?

A definition that gives communicable meaning to a concept by specifying how the concept is measured and applied within a particular set of circumstances.

(Deming, 1986)





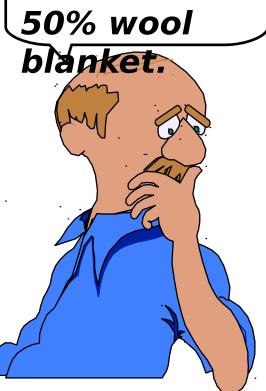
"Our troubles are over, coach. I found us a 7-footer ..."

# Elements of an Operational Definition

- Criterion: Standard against which to evaluate results of the test
- **Test:** Procedure for measuring a characteristic
- **Decision:** Determination whether test results show the characteristic meets the criterion

### **Developing an Operational**

We want a



**Definition**Criteria - Wool fibers evenly distributed & comprise half the blanket's weight.

- Test Analysis of samples measures distribution & proportion of fibers.
- **Decision** Wool fibers distributed & evenly comprise half the weight. Blanket is

50% wool.

## Worksheet **Operationally define the term:**

### Exercise 1 - Possible Answer

### Operationally define the term Rust-free

**Criterion:** The absence of any visible

oxidation on the

surface of the metal

**Test:** Under good lighting conditions, a

person

with 20/20 vision examines the

surface of

the metal for evidence of oxidation.

**Decision:** If no oxidation is observed, the

OFEROTORAL DEFINITIONS

VIEWGRAPH 6

met. The surface is *rust-free*.

## Exercise 2 - Possible Answer Operationally define the term Fast (pharmacy service)

**Criterion:** Medication is dispensed at the customer service window no more than 10 minutes after the prescription is turned in at the pharmacy.

**Test:** The time to fill a prescription is determined using a calibrated stopwatch.

**Decision:** If the medication is dispensed no more than

10 minutes after receipt of the prescription, the criterion is met. Pharmacy

SETVICE IS TAST.
OPERATIONAL DEFINITIONS

#### Exercise 3a - Possible Answer

### Operationally define the term Satisfactory (oil lubrication)

**Criterion:** Evidence of oil in the bearing's

sight flow

indicator

**Test:** oil flow is the sight

Under good lighting conditions, observed with the naked eye in

flow indicator.

**Decision:** If oil flow is observed, the

eriteriom disumients satisfactory.

Oil lubrication is

VIEWGRAPH 8

#### Exercise 3b - Possible Answer

### **Operationally define the term** Satisfactory (oil lubrication)

**Criterion:** Minimum of 15 PSIG of lube oil

pressure

at the most remote bearing

An observer checks the oil gage **Test:** 

at the most remote bearing. pressure

**Decision:** If the oil gage pressure is at

least 15 PSIG,

the criterion is met. Oil lubrication is

satisfactory.